

Date: Fri, 19 Feb 93 09:37:57 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #234  
To: Info-Hams

Info-Hams Digest                      Fri, 19 Feb 93                      Volume 93 : Issue    234

Today's Topics:

    5/8 Wavelength Antenna Theory?  
    Alinco DJ-160 assistance request.  
    Bill Clinton and military surplus  
        Chuck Norris on 440?  
    Constant 300 mhz plus signal in shop  
    Delivery Failure Report (3 msgs)  
    dilemma (to drill or not to drill)  
    DJ580 ext power connector; sources?  
        Fort Gordon, Ga.....  
    Info needed on OSCAR's  
        Lin pot type AB  
    Looking fer morse teaching aid....  
    New Kenwood HF Radio TS-50 (2 msgs)  
        Oak Hill Research  
        TS-520S  
        Yaesue 757 QRP?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 19 Feb 93 16:13:48 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 5/8 Wavelength Antenna Theory?  
To: info-hams@ucsd.edu

Can someone briefly explain the theory behind a 5/8  
wavelength antenna; common for 2-meter mobile work.

I have spent considerable time with the ARRL Antenna Book which describes how almost every other antenna works, but I can find almost nothing regarding the 5/8.

73 de Gary KB1AIF thorburn@sceng.ub.com

-----  
Date: Fri, 19 Feb 1993 16:17:34 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!  
usenet.ucs.indiana.edu!bronze.ucs.indiana.edu!jltaylor@network.UCSD.EDU  
Subject: Alinco DJ-160 assistance request.  
To: info-hams@ucsd.edu

I have an Alinco DJ-160 and I was attempting to open the radio so I could "look around inside". I ran into a bit of trouble after removing the two long black screws, and the 5 tiny silver screws, and the two screws that hold the 'clip'. The radio seems to be three sections: the front (keys, buttons, etc), the top (off/on switch, display), and the back (where the screws and the 'clip' were located). The radio seems to open up a bit from gently prying the bottom, but the top refuses to budge, like it is still connected to something. Does the top section "pop off" or something? That is about where the radio refused to open. The maximum I could get the bottom apart was about 3/8".

Any ideas on what I am missing as far as getting the radio opened up?

Thanks in advance  
Jeff

-----  
Date: 19 Feb 1993 06:02:56 -0600  
From: swrinde!cs.utexas.edu!not-for-mail@network.UCSD.EDU  
Subject: Bill Clinton and military surplus  
To: info-hams@ucsd.edu

In <1993Feb18.073301.27327@ke4zv.uucp> gary@ke4zv.uucp (Gary Coffman) writes:

% In article <1993Feb17.150150.20002@mlb.semi.harris.com>  
RSUMPERL@JAGUAR.ESS.HARRIS.COM (05991 SUMPERL RP) writes:

% >Greetings all..  
% > Just spoke with Bill Slep of Slep electronics (military surplus), he claims  
% >Clinton has put a halt to military surplus auctions. Has anyone else heard  
this?

He hasn't done anything yet, because I'm still getting catalogues for  
them about 3 times a week!!! (And once a month from Ft. Hood.....)

73!

T.M.K.

-----  
Internet: phantom@pro-haven.cts.com KJ5GU/AE  
UUCP: crash!pro-haven!phantom Try 28.440MHz.....  
For the latest breaking Aggie Jokes, Dial 1-800-AGGIE-IQ.....  
".....and for the first time in twenty years in Waxahachie, Texas.....  
.....it rained!" The Rocky and Bullwinkle Show  
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Date: 19 Feb 93 17:13:21 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!olivea!sgigate!odin!  
chuck.dallas.sgi.com!adams@network.UCSD.EDU  
Subject: Chuck Norris on 440?  
To: info-hams@ucsd.edu

In article <1993Feb18.145037.2358@sunova.ssc.gov>, chuck\_adams@qmail.ssc.gov  
(Chuck Adams) writes:

|> I will post more information as it becomes available.

|>

|> Score Card:

|>

|> Adams 1, Norris 0

|>

|>

|> Chuck Adams, WB5WRR (The Chuckster)

|> Not an official document of DOE, SSCL, URA or EG&G

|> "I cut you three ways, man: quick, deep and frequently"

|> Internet: chuck\_adams@qmail.ssc.gov

Holy S!#\$ Batman.....

"The Chuckster" is trying to get yours truly in deep yogurt!!!! ; -)

Trouble with two Chuck Adams' within a 30 mile radius. I don't do VHF!

I can kick Chuck Norris butt! i like Chuck Norris and i don't wanna fight him. i'm 6'6" and he's much shorter than that. :-) i'm an OF and i wanna live longer.....

Adams #2 0, Norris 2,456 he wins!!!!!!!!! EOT SK

chuck "chuckles" adams

-----  
Date: Fri, 19 Feb 1993 13:12:19 GMT  
From: haven.umd.edu!wam.umd.edu!ham@ames.arpa  
Subject: Constant 300 mhz plus signal in shop  
To: info-hams@ucsd.edu

Can anybody concur with my experience? I have an Optoelectronics hand-held counter (1300 MHz max), and it has TWO sensitivity settings. On LOW, with no signals around, it displays 0.000 000 MHz. Turn it on HIGH sensitivity, and it displays around 382 MHz. I built it from a kit and called Opto (this was some years ago), and they said that the high sensitivity causes it to display this frequency.

It's probably from an oscillator inside the counter. When a signal is applied, the counter should work fine.

Scott NF3I

--  
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD

-----  
Date: 19 Feb 93 13:06:25 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Delivery Failure Report  
To: info-hams@ucsd.edu

From: NAME: Mail Postmaster  
FUNC:  
TEL: <POSTMASTER AT NEWPRTA1 at DOHENY at  
TUS>  
To: "Info-Hams@UCSD.Edu"@DECWRL@MRGATE

ALL-IN-1 was unable to deliver your message dated to

"green.richard"

- no such ALL-IN-1 account;

on node NEWPRT

The subject of the message was :  
Info-Hams Digest V93 #225

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Date: 19 Feb 93 14:57:32 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Delivery Failure Report  
To: info-hams@ucsd.edu

From: NAME: Mail Postmaster  
FUNC:  
TEL: <POSTMASTER AT NEWPRTA1 at DOHENY at  
TUS>  
To: "Info-Hams@UCSD.Edu"@DECWRL@MRGATE

ALL-IN-1 was unable to deliver your message dated to

"green.richard"

- no such ALL-IN-1 account;

on node NEWPRT

The subject of the message was :  
Info-Hams Digest V93 #227

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Date: 19 Feb 93 15:34:21 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Delivery Failure Report  
To: info-hams@ucsd.edu

From: NAME: Mail Postmaster  
FUNC:  
TEL: <POSTMASTER AT NEWPRTA1 at DOHENY at  
TUS>  
To: "Info-Hams@UCSD.Edu"@DECWRL@MRGATE

ALL-IN-1 was unable to deliver your message dated to

"green.richard"

- no such ALL-IN-1 account;

on node NEWPRT

The subject of the message was :  
Info-Hams Digest V93 #218

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Date: 19 Feb 93 15:29:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: dilemma (to drill or not to drill)  
To: info-hams@ucsd.edu

Go ahead and drill the hole. If you use the NMO mount, there is a black plastic filler plug available (I think in pkgs of 5) that snaps into the hole if you go to the trouble of removing the antenna before selling. Use some silicone caulk on the plastic plug before you snap it in and the new owner should never have any worries.

I have drilled (actually, used a Greenlee punch) on both my Toyotas. There are so many holes in a car anyway that it shouldn't matter. I'll probably still remove the mount, though, and use the plugs before I sell. The last buyer never even noticed...of course, it was a black car and I didn't go to any trouble to point out that I'd drilled a hole and plugged it...:-)

73,  
Pete

=====  
Peter Simpson, KA1AXY                      Peter\_Simpson@3com.com  
3Com Corporation                              (617) 466 9702  
1000 Winter Street, Suite 4900              Waltham, MA 02154  
=====

-----  
Date: Fri, 19 Feb 1993 16:08:46 GMT  
From: dog.ee.lbl.gov!newshub.nosc.mil!avalon.nwc.navy.mil!peewee!  
erik@network.UCSD.EDU  
Subject: DJ580 ext power connector; sources?  
To: info-hams@ucsd.edu

I found a goodie at Radio Shack but it sticks straight out about 2".  
I would really like to find a low profile 90 degree connector, perhaps  
molded with pigtails...

I recently purchased one of these encapsulated 12v batteries with charger

from Damark for \$50 (well, I found out the charger was extra...). Now all I need is the cigarette plug to Alinco (bizarre size) coaxial power conn.

Thanks in advance

Erik

--

Erik van Bronkhorst KC6UUT DoD#4342585443 AMA#[classified]

"Truth is false and logic lost, now the fourth dimension is crossed..."

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Date: 19 Feb 1993 06:02:57 -0600

From: usc!cs.utexas.edu!not-for-mail@network.UCSD.EDU

Subject: Fort Gordon, Ga.....

To: info-hams@ucsd.edu

Howdy.....

My husband and I will be "attending" Basic Training and AIT at Fort Gordon, Georgia soon.

Anyone that has been in MOS 31F in the past year or so and gone through basic and AIT at Ft. Gordon, please e-mail me at address below so we can get a little better prepared for Ft. Gordon specifically (and basic training as well.....(ha-ha)).....

Any info would be appreciated....Tnx es 73!

T.M.K.

-----  
Internet: phantom@pro-haven.cts.com

KJ5GU/AE

UUCP: crash!pro-haven!phantom

Try 28.440MHz.....

For the latest breaking Aggie Jokes, Dial 1-800-AGGIE-IQ.....

".....and for the first time in twenty years in Waxahachie, Texas.....

.....it rained!" The Rocky and Bullwinkle Show

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Date: Fri, 19 Feb 1993 11:51:53 GMT

From: munnari.oz.au!metro!usage!newt.phys.unsw.edu.au!jeice@network.UCSD.EDU

Subject: Info needed on OSCAR's

To: info-hams@ucsd.edu

Hi all!

I have just been reading some old QST's that I found in the Uni library and came across an article published in 1987 talking about OSCAR 25 years on.

It mentioned that by 1991/92 there would be some new geostationary OSCAR.

Now Does anybody know anything about this? and if so what/how would

Any help appreciated  
Regards  
Jose

## The Wave Of The Future!!

their product mark is an octagon with the letters AB in the top 2/3's or so and the word QUALITY in the bottom 1/3 (may not be present in all instances).

all you course instructors for code. PLLLLEEEEEEEEAAAASSSSSEEE don't do this!



use the ARRL code tapes or other tapes, but do not use visual aids. you will cripple or severely slow down a student using visual aids. let me them memorize the sounds. it's just like you learning your ABC's before you learned to write. you use sound to learn sound. do not add an additional step of converting from sound to visual and then to the letter that was sent. cut down the overhead. at 13 wpm and greater, you don't have time for the overhead. trust me..... ;-) i've taught cw for years and all my students do greater than 30 wpm easily and it's what you learn up front that sets your pace for life.

i know we will always have the cw bashing, but if you're going to do something, do it right. people spend more time trying how to make something much easier, when just doing it would take less energy and less effort. i know, i've been there. pay me now or pay me later is the name of the game. there ain't no free lunch.

chuck k5fo CP-60 70+wpm cw op and proud of it. i'm not brain dead either with phd in physics, 40+ refereed articles and four books. i read over 3,000 pages a month. type at 80 wpm..... enuff already. ;-) P.S. i don't do tv.

-----  
Date: 19 Feb 1993 14:36:30 GMT  
From: swrinde!sdd.hp.com!col.hp.com!bobw@network.UCSD.EDU  
Subject: New Kenwood HF Radio TS-50  
To: info-hams@ucsd.edu

flloyd@l1-a.West.Sun.COM (Fred Lloyd [Phoenix SE]) writes:

>  
> We'll I'm surprised that nobody's mentioned this one yet, the new  
> Kenwood TS-50!  
>  
> Well, I didn't buy one :-) but a friend of mine did and here's the  
> scoop: (Fresh from a three day old sighting)  
>  
> The local HRO received three of the radios last Friday and were sold  
> out within one hour. After seeing and playing with it a bit, it's easy  
> to see why: it has to be the neatest mobile HF radio on the market today.  
>  
> Factoids:  
>  
> Kenwood TS-50 Mobile HF Transciever (Retail: \$1099)  
>  
> 160-10M General Coverage  
> 100 memories  
> 100 Watts - AM/FM/SSB/CW

> Band stacking registers  
> Black-on-Orange LCD Display (like the TM-741 et. al.)  
> Small size - very small size....  
>

[remainder deleted]

OK, Kenwood, now take this basic technology and apply it to  
an all-mode mobile VHF/UHF radio. Maybe 6 meters, 2 meters and 70 cm.  
I would even settle for any two of these bands.

Bob Witte / HP Colo Springs / bobw@col.hp.com / KB0CY

-----  
Date: Fri, 19 Feb 1993 15:29:55 GMT  
From: sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!  
genem@network.UCSD.EDU  
Subject: New Kenwood HF Radio TS-50  
To: info-hams@ucsd.edu

Nice write-up, Fred. Thanks!

The advertisement for the TS-50 says something about it containing fuzzy  
logic. Does anyone know if this is accurate and, if so, what function  
the fuzzy logic is performing?

73!  
Gene

--  
+-----+  
|Gene Marshall | email: genem@cup.hp.com |  
|Hewlett Packard Co., MS 42UN | Tel: 408/447-5282 |  
|Software Technology Division | Fax: 408/447-5039 |  
|11000 Wolfe Road | AA6IY@N6LDL.CA.USA.NA |  
|Cupertino, CA 95014 |/\ Bay Area: 147.39+ / 223.96- |  
+-----+

-----  
Date: Fri, 19 Feb 1993 14:49:30 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!uwm.edu!caen!malgudi.oar.net!  
news.ysu.edu!yfn.ysu.edu!ag821@network.UCSD.EDU  
Subject: Oak Hill Research  
To: info-hams@ucsd.edu

With all the flames of companies, thought I might relate  
a good experience.

I just purchased some kits and parts from Oak Hills Research.  
The big box arrived in a few days, with everything correct.

I purchased a QRP Wattmeter kit and a 30 meter DC QRP  
transceiver. While looking at the kits, I was very impressed  
with the quality of the metal cabinets.

I just finished the wattmeter. It worked the first time. I tuned  
it up according to the clear alignment procedures. When I tested  
it with a QRP transceiver of a known wattage output, I noticed  
that it was reading low. I went back and adjusted the potentiometer  
so that it read the correct output and then tested it on other rigs  
and all the readings seemed accurate. I have since used it to  
bring the power output of my Yaesu 757GX down to the milliwatt  
level and it seems very good.

I was a little concerned about the problem I had with alignment  
so I called Oak Hill on their toll free #. The owner wasn't in  
but his wife asked for my # and said he would be happy to  
return my call as soon as he got in. When I talked to him,  
he was very nice, and knew his stuff. He offered to go over the  
rig FREE OF CHARGE if I sent it back.

I really think this is the kind of situation that makes  
ham radio a special hobby.

73s

Jeff, AC4HF

--

Jeff M. Gold, AC4HF  
Manager, Academic Computing Support  
Tennessee Technological University

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Date: 19 Feb 1993 16:18:59 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!sol.ctr.columbia.edu!  
hamblin.math.byu.edu!usenet@network.UCSD.EDU  
Subject: TS-520S  
To: info-hams@ucsd.edu

I have got a problem w/ TS-520S.  
Does anyone help me out??????? please.....

thnx  
tatsuya

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Date: Fri, 19 Feb 1993 14:41:38 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!uwm.edu!caen!malgudi.oar.net!  
news.ysu.edu!yfn.ysu.edu!ag821@network.UCSD.EDU  
Subject: Yaesue 757 QRP?  
To: info-hams@ucsd.edu

I bought an older Yaesu 757GX about a year ago. I have been into  
QRP lately and just finished an Oak Hill REsearch QRP  
Wattmeter.

I was playing around with the 757 last nite and noticed it  
would go down to 1 milliwat using the front panel controls.  
It can do this for both SSB and CW. The CW power turn down  
seems to be much more stable (when you turn down the power in  
SSB below 500 mw it seems to vary somewhat) .. It was getting  
late and didn't want to spend all nite trying to get hold of  
someone, so had a friend get on 10 meters and worked him on from 250-500  
mw. He said my audio was perfect. WHen I turned it down past that  
he had a little trouble hearing me.

Are all 757s capable of being turned down to such low power  
levels, or might someone have done something with this  
particular rig.

73s

Jeff, AC4HF(QRP and going down to lower power)e

--

Jeff M. Gold, AC4HF  
Manager, Academic Computing Support  
Tennessee Technological University

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Date: 19 Feb 93 10:29:53 GMT  
From: usc!wupost!spool.mu.edu!olivea!charnel!psgrain!percy!ornews.intel.com!  
chnews!joshua!jbromley@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Feb15.093207.3533@samba.oit.unc.edu>,  
<1lsqjeINNk3k@chnews.intel.com>, <1993Feb17.143657.20164@seas.gwu.edu>  
Subject : Re: FAA Radar power?

In article <1993Feb17.143657.20164@seas.gwu.edu>  
biby@seas.gwu.edu (Rich Biby) writes:

>  
>Yah, 7.5 Megawatts. But don't forget about gain!  
>We were working against a zoning board regarding RF  
>expsoure and had to check a couple of these things  
>out completely. My mouth just hung open when I found  
>out it was 6-some-odd Megawatts with about 25 dB gain!  
>  
>I think I would freek out if I was ever close enough  
>to one to see it with my own eyes...

For what it's worth, that 25 db of gain is not pointed at the ground. As a matter of fact, a considerable effort is expended in the design of ground-based radars to minimize the illumination of the ground. Ground clutter is one of the "noise" sources that places a floor on the minimum detectable signal in a radar system. The typical area surveillance radar antenna has modest gain at high elevation angles, a major lobe 2 - 5 degrees above the horizon, and a real null at angles below 1 degree (where we groundlings live). In the radar biz, this is called a cosecant-squared pattern and is optimal for aircraft detection.

And, as other posters have pointed out, the biological factor is tissue heating, which is a function of average power. If one can live with a 50 kW UHF TV transmitter, one can live with a 3 kW (average) FAA radar.

One side effect of this impressively high peak power is an RFI problem that gets into \*everything\* electronic that isn't sealed in a metal box. Back in another lifetime when I was in broadcasting, we had an audio noise problem at a mountain-top TV/FM transmitter site from Army L-Band (1-2 GHz) radars 15 miles away down on the ground. 500 feet of braid later, we passed the proof-of-performance but could still faintly hear the prf in the monitor speaker.

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+-----+-----+
| Jim Bromley W5GYJ |
| Intel Corp. m/s CH3-91 | Celebrating 30 years as a No-Code Technician |
| 5000 W. Chandler Blvd. |
| Chandler,AZ 85226 |
| tel: 602-554-5183 | Internet: jlbromley@sedona.intel.com |
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End of Info-Hams Digest V93 #234

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